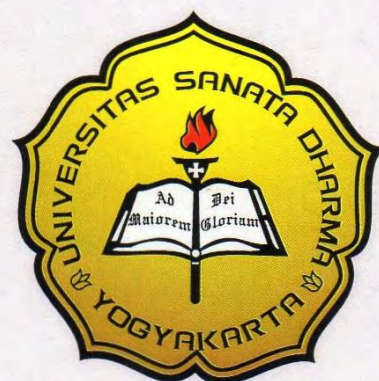


ICPharmP 2017

CONFERENCE PROGRAM BOOK

International
Conference **2017**
on Pharmacy Practice



Wednesday - Thursday,
April 26-27th, 2017



Auditorium Driyarkara,
Campus II Universitas Sanata Dharma,
Mrican, Yogyakarta, Indonesia



Host: Faculty of Pharmacy, Universitas
Sanata Dharma Yogyakarta

Supported by:



Pengurus Daerah
Ikatan Apoteker Indonesia DIY

**INTEGRATING INNOVATION: THE ROLE OF THE PHARMACIST
IN CHRONIC DISEASE MANAGEMENT**

April, 26th 2017 (Conference Day 1)

07:30	Registration
Opening Ceremony	
	Opening ceremony
	- Welcome Address by Conference Chairman
08:30-09:00	- Welcome Address by Dean of Faculty of Pharmacy Universitas Sanata Dharma
	- Welcome Address by Rector of Universitas Sanata Dharma
Plenary Lectures Day 1	
09:00-09:30	Topic 1: Contributions of Social Pharmacy Field in Improving Quality Use of Medicines and Population Health Prof. Dr. Mohamed Azmi Ahmad Hassali (Universiti Sains Malaysia, Malaysia)
09:30-10:00	Topic 2: The Role of Pharmacists In Respiratory Health Services: The Australian Experience Assoc. Prof. Bandana Saini (Faculty of Pharmacy the University of Sydney Australia)
10:00-10:15	Discussion
10:15-10:30	Coffee Break
10:30-11:00	Topic 3: Dr. Monet M. Loquias (College of Pharmacy, University of the Philippines, Philippines)
11:00-11:30	Topic 4: Pharmacist's Role for Cardiovascular Disease Prevention (Studies In Sleman District Of Yogyakarta) Dr. Rita Suhadi, Apt. (Universitas Sanata Dharma, Indonesia)
11:30-11:45	Discussion
11:45-13.00	Group Photo Lunch Poster Presentation
Concurrent Session Day 1	
13:00-14:30	Oral presentation day 1 session 1 and session 2
14:30-15:00	Coffee break

April, 27th (Conference Day 2)

08:00 Registration

Plenary Lectures Day 2

08:30-08:45 Opening day 2

08:45-09:15 Topic 5: Changing face of pharmacy profession in USA: Impact of technology on pharmacy practice in chronic disease management
Prof. Yashwant Pathak, M.S., Ph.D. (College of Pharmacy, University of South Florida, USA)

09:15-09:45 Topic 6: Improving Treatment Outcomes Through An Interprofessional Approach
Prof. Dr. Thomas Paraidathathu (Taylor's University, Malaysia)

09:45-10:00 Discussion

10:00-10:15 Coffee break

10:15-10:45 Topic 7:
Phayom Sookaneknun, Pharm.D., Ph.D. (Faculty of Pharmacy, Mahasarakham University, Thailand)

10:45-11:15 Topic 8:
Raymond R. Tjandrawinata, Ph.D. (Executive Director, Dexa Laboratories of Biomolecular Sciences)

11:15-11:30 Discussion

11:30-13:00 Lunch
Poster Presentation

Concurrent Session Day 2

13:00-14:15 Oral presentation day 2 session 1 and session 2

14:15-15:00 Coffee Break

Closing

15:00-15:30 Awards Ceremony and Doorprize session

15:30-15:45 Closing Remarks

Molecular Pharmacology

Oral Presentation – Day 1

KADARMAN ROOM WEDNESDAY, 26 APRIL 2017 (13:00 – 14:30 PM)		
CODE	NAME	TITLE
OP.001	MUSLIMAH	COMPARING COST OF ILLNESS WITH COST OF INA-CBG'S (INDONESIAN CASE-BASED GROUP'S) ISCHEMIC STROKE IN YOGYAKARTA PRIVATE HOSPITALS
OP.003	NURUL AINI	PERFORMANCE EVALUATION OF PHARMACEUTICAL INSTALLATION X HOSPITAL SAMARINDA APPROACH TO BALANCED SCORECARD
OP.008	MAULANA TEGAR ADITYANUGRAHA	DRUG INVENTORY MANAGEMENT ON PRACTICAL PHARMACY USED EOQ METHOD IN SLEMAN DISTRICT PHARMACY
OP.013	MARIA NARESWARI	CHYRSANTHEMUM INDICUM L ETANOLIC EXTRACT AS CHEMOPREVENTIF AGENT TOWARDS HELA CANCER CELLS THROUGH BCL-2 REGULATION
OP.015	YOHANA FEBRIANI PUTRI	SELF MEDICATION BEHAVIOUR AND TRADITIONAL MEDICINES USE AMONG WOMEN AT OELNASI VILLAGE NTT

LPPM ROOM WEDNESDAY, 26 APRIL 2017 (13:00 – 14:30 PM)		
CODE	NAME	TITLE
OP.005	ENADE PERDANA ISTYASTONO	VIRTUAL SCREENING ON ZINC NATURAL PRODUCT DATABASE TO DISCOVER POTENT ACETYLCHOLINESTERASE INHIBITORS
OP.006	KARTINI	WOUND HEALING ACTIVITY OF PLANTAGO MAJOR EXTRACT ON HYPERGLICAEMIC RAT
OP.010	CINDY	VALIDATED METHOD POLYMERATION CHAIN REACTION FOR IDENTIFICATION OF CYTOCHROME P4502A6 ALLEL*9 (CYP2A6*9) IN JAVANESE BLOOD SAMPLE
OP.019	MAYWAN HARIONO	CYTOTOXIC ACTIVITY OF FUNGAL ENDOPHYTE TRICHAPTUM SP. CULTIVATED FROM PHYLLANTUS NIRURI AGAINST T47D BREAST CANCER CELL LINE
OP.020	CHRISTOPHORUS F. ADHIPANDITO	IN SILICO STUDY OF PURINE-PYRIMIDINE ANALOGUES AS ANTI-BREAST CANCER VIA HEMOPEXIN-MMP9 DOMAIN INHIBITION BASED ON MOLECULAR DOCKING

Oral Presentation – Day 2

KADARMAN ROOM		
THURSDAY, 27 APRIL 2017 (13:00 – 14:30 PM)		
CODE	NAME	TITLE
OP.009	RITA SUHADI	EVALUATION OF 10-YEAR ATHEROSCLEROTIC CARDIOVASCULAR DISEASE RISK PREDICTION USING POOLED COHORT EQUATION
OP.011	NADIA HUSNA	THE EFFECT OF PHARMACIST'S COUNSELING TO MEDICATION COMPLIANCE AND THERAPEUTIC OUTCOME OF TYPE 2 DIABETES MELLITUS PATIENT IN PUSKESMAS
OP.012	DIAN REHULINA	PATIENT'S KNOWLEDGE AND REPORTED BEHAVIOR REGARDING DRIVING UNDER THE INFLUENCE OF MEDICINES FOR INSOMNIA IN DAERAH ISTIMEWA YOGYAKARTA
OP.014	ALBERTUS IVAN BRILIAN	THE EFFECT OF CALCIUM SUPPLEMENTATION IN MATERNAL PATIENT DURING PREGNANCY TO PRETERM BIRTH IN PANTI RAPIH HOSPITAL YOGYAKARTA
OP.018	MARIA WISNU DONOWATI	HYPOGLYCEMIC DRUG USE EVALUATION TOWARD BAKUNG AND CEMPAKA WARDS IN PATIENT AT X HOSPITAL BANTUL

LPPM ROOM		
THURSDAY, 27 APRIL 2017 (13:00 – 14:30 PM)		
CODE	NAME	TITLE
OP.002	YOGA WINDHU WARDHANA	MONITORING OF POLYMORPHIC TRANSITION OF EFAVIRENZ DURING HEATING BY RAMAN SPECTROSCOPY
OP.004	IVANA TUNGGAL	OPTIMIZATION OF IBUPROFEN'S LEVEL IN HYDROGEL PREPARATION AS DIABETIC WOUND HEALING ON DIABETIC RAT'S WOUND
OP.007	KARINA CITRA RANI	FORMULATION OF ATENOLOL ORALLY DISINTEGRATING TABLETS USING SODIUM STARCH GLYCOLATE AS SUPERDISINTEGRANT
OP.016	DEWI SETYANINGSIH	IMPROVEMENT OF SOLUBILITY AND DISSOLUTION OF CURCUMINOIDS IN HPMC AND MANITOL BASED SOLID DISPERSIONS
OP.017	T.B. TITIEN SIWI HARTAYU	MEDICAL DOCTOR PERCEPTION TOWARDS PRESCRIBING OF ANTIBIOTIC FOR PATIENTS IN INTENSIVE CARE UNIT (QUALITATIVE STUDY IN A PRIVATE HOSPITAL IN GERMANY)

WOUND HEALING ACTIVITY OF *Plantago major* EXTRACT ON HYPERGLICAEMIC RAT

Kartini^{1*}, Ridho Islamie², Christina Cicilia Raming¹, Icha Bella Widya Siska Rahayu¹

¹Department of Pharmaceutical Biology, University of Surabaya, Raya Kalirungkut Road, Surabaya 60293, Indonesia

²Department of Clinical and Community Pharmacy, University of Surabaya, Raya Kalirungkut Road, Surabaya 60293, Indonesia

*Corresponding author: Kartini
e-mail: kartini@staff.ubaya.ac.id

ABSTRACT

Impaired wound healing in diabetic patients is a serious complication that can lead to amputation and even death. Proper diabetic wound management is needed to improve the quality of life of diabetic patients. *Plantago major* (plantain) has been used empirically for wound healing. This study was conducted to determine the activity of ethanol extract of plantain on wound healing in hyperglycemic rats. A total of 30 hyperglycaemic male rats (Wistar) were divided into 6 groups (K1-K6), and subsequently treated with gel of ethanol extract of plantain leaves 5% and 10%, gel of ethanol extract of plantain roots 5% and 10 %, gel base, and bioplacenton®, respectively. Drugs were applied topically on animals' wounds created on the dorsal part (length of 2 cm, a depth of 5 mm), once a day during 21 days. Wound healing activity was evaluated based on the percentage of wound closure and wound healing time. The results showed that the gel of ethanol extract of plantain leaves and roots at the concentration of 5% and 10% were able to increase the percentage of wound closure and accelerate wound healing time ($p < 0.05$) compared to the negative control. It can be concluded that the ethanol extract of plantain leaves and roots have wound healing activity on hyperglycemic rats.

Keywords: *Plantago major*, plantain, ethanolic extract, wound healing, hyperglycemic